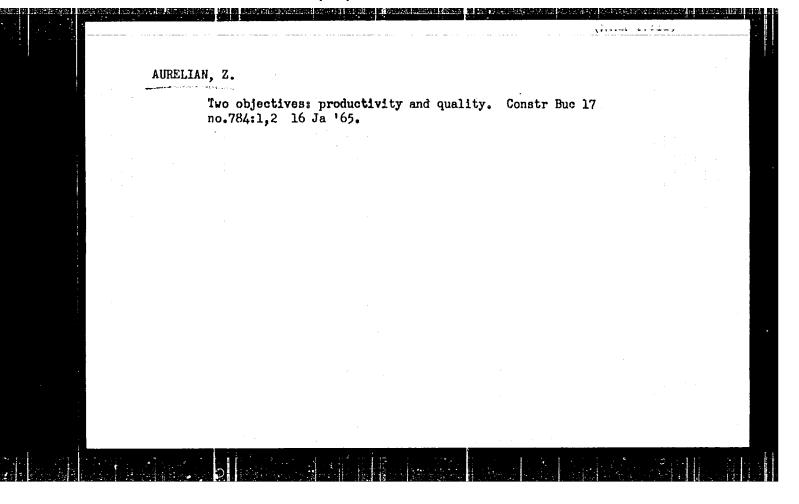
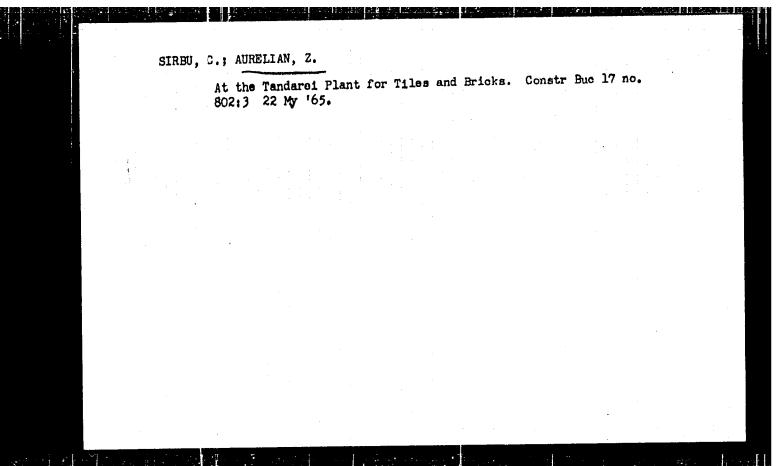
BARA, Nicolae, ing.; AURELIAN, Z.; RUSU, Airian

Preparations for winter. Constr Bac 16 no.769:2,3 3 Oct \*64

1. Head of the Office of Production, "Ceramica" Enterprise of Construction Materials, Bucharest (for Bara).





### AURIAN, J.

### RECHNOLOGY

REVISTA CONSTRUCTILOR SI A MATERIALELOR DE CONSTRUCTII. Vol. 10, no. 8, Aug. 1958.

Utilization of slags from boilers and cinders from power plants in the construction industry. p.447.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 33

-May 1959, Unclass.

Manch

AURIAN, J.; OHEORGHITA, S.

Technical and economic comparative analysis of different types of walls for dwelling buildings. p. 162.

RE'ISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Constructiilor si al Materialelor de Constructii) Bucuresti, Rumania. Vol. 11, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC/no. 8, Aug. 1959

Uncl.

# AULICH, Jan Photoresistors sintered in contact with leading-in electrodes. Slaboproudy obzor 22 no.7:397-401 '61. 1. Fyzikalni ustav Geskoslovenske akademie ved, Praha. (Electrodes) (Photoelectricity)

AUC 2H, J., ing.; MoFESCO, T., ing.

Determining the quotas for indirect expenses in construction by the aid of the correlation account, flow construction 16 no.3:138-145 Mr\*64

RANDVEE, T.Ya.; REMMA, Kh.A. [Remma, H.]; AURISTE, I.N.

Checking the properties of cellular concrete by testing samples drilled out of large blocks. Stroi.mat. 8 no.10:38-39 0 '62.

(MIRA 15:11)

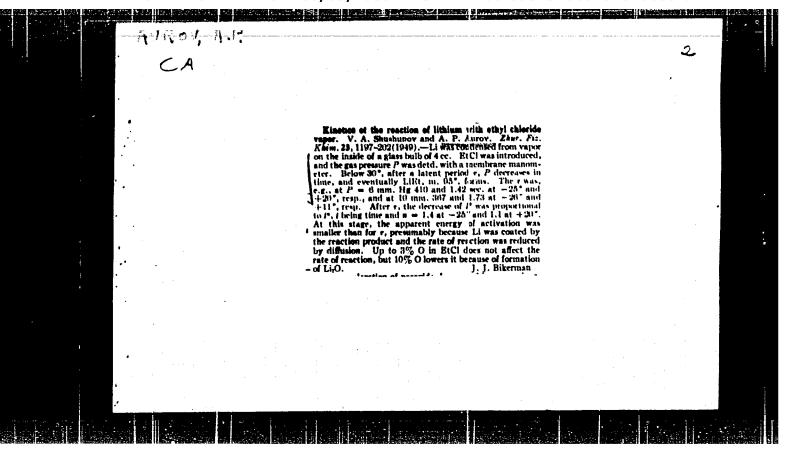
(Lightweight concrete—Testing)

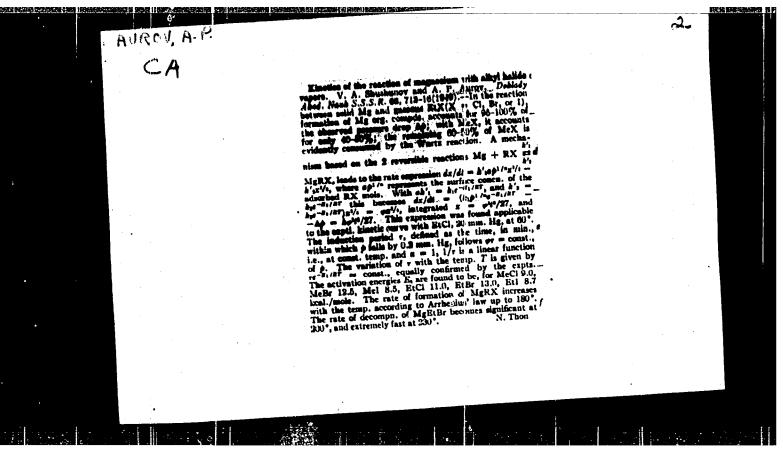
### AULOVA, Jirina

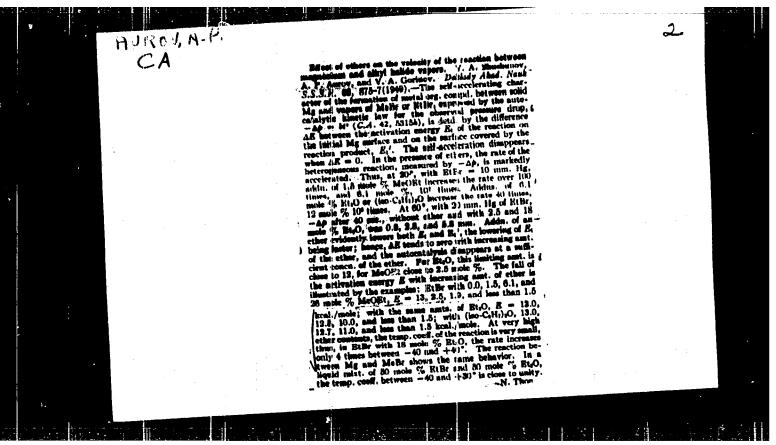
Tumors of the locomotor organs of ligamentous origin. Acta chir. orthop.traum.cech. 28 no.3:248-251 Je '61.

1. II. ortopedicka klinika v Praze, prednosta prof. dr. 0. Hnevkovsky.

(BONE AND BONES neoplasms) (JUINTS neoplasms)
(FIBROSARCOMA case reports)







AUROV, A. P. USSR/Chemistry - Organomagnesium Compounds Jan 51 "Kinetics of the Reaction of Magnesium With Ethyl Bromide Vapors; "V. A. Shushunov, A. P. Aurov, Sci Res Inst Chem, Gor'kiy State U "Zhur Fiz Khim" Vol XXV, No 1, pp 13-19 Developed methods for investigating kinetics of reaction of metals with alkyl halide vapors. Studied in greatest detail reaction of Mg with EtBr, forming MgEtBr, found to proceed autocatalytically with activation energy of 13 kcal/mol. (detd from temp coeff of industion period). Induction period decreased in proportion to increase of vapor pressure of alkyl halides. 180711

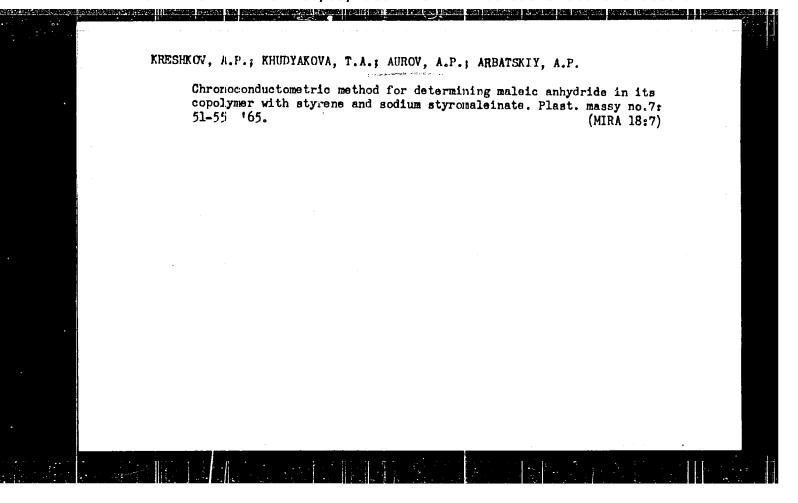
AUROV, A. P.	ASSESSMENT AND MAIN STATE AND AND ASSESSMENT AND ASSESSMENT ASSESS			160T12
<b>18071.2</b>	ability of ethers depends on their nature, MegO being most effective, EtgO abdulso-FrgO about equal, though catalysis with EtgO/gives/higher-10 Mig-ld.of.organo-Mg compd.	reaction at significant concn of ether suggests reaction occurs in diffusion region. Catalytic  180712 UBSR/Chemistry - Organomagnesium Compounds Jan 51 (Contd)	omide A. ( Khir ton of here s	Interpolation of Recommendation of Section Compounds Jan 51
			L' 5	

KHUDYAKOVA, T.A.; AUROV, A.P.; KRYLOVA, V.I.

SULTABLE BEIGHT BEI GERT BEIGHT BEI

Chronoconductometric method for the determination of sodium polymethacrylate, its copolymer with methyl methacrylate and for the analysis of mixtures with NaOH. Zhur.s.nal.khim. 19 no.9:1137-1141 164. (MIRA 17:10)

1. Gor'kovskiy politekhnicheskiy institut imeni Zhdanova.



<u>L 41322-6</u>6 ENT(m)/ENP(t)/ETI IJP(c) JD/WW/JG ACC NR AP6019608 SOURCE CODE: UR/0048/66/030/002/0217/0219 AUTHOR: Bilibia; L.P.; Aurov, G.; Albov, A. ORG: none vi TITLE: On the decay scheme of Am-240 /Report, Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure, held at Minsk, 35 Jan. to 2 Feb. 1965/ SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya. v. 30, no. 2, 1966, 217-219 TOPIC TAGS: nuclear spectroscopy, gamma spectrum, electron capture, radioactive decay scheme, americium, ABSTRACT: The authors have investigated the  $\gamma$  rays accompanying the K-capture decay of Am to Pu 240 The Am 240 was obtained from the (i,n) reaction on Pu 39, and was deposited on a teflon substrate. The γ ray spectrum was recorded with scintil= lation spectrometers employing  $4 \times 4$  and  $8 \times 5$  cm NaI (T1) crystals. The spectrometer employing the  $4 \times 4$  cm crystal was calibrated with  $\text{Am}^{241}$ ,  $\text{Ce}^{144}$ ,  $\text{Au}^{198}$ , and Co  $^{60}$  sources, the absolute activities of which had been measured with a  $4\pi$   $\beta$  counter or an ionization chamber. Gamma rays ascribable to  ${\rm Am}^{240}$  were observed at 100, 940, 1040, and 1400 keV. The 100 keV line is attributed to K x radiation. From the intensities of the different  $\gamma$  rays it is concluded that of the electron capture decays of Am<sup>240</sup>, some 20% go to the 940 keV level in Pu<sup>240</sup>, 80% go to the 1040 keV level, and 0.1% go to the 1400 keV level. The 1400 keV gamma line was found to be consid-Card 1/2

of t	the other	· lines ar	n (J. Inorg. ) re in satisfac rt. has: 2 f	ctory agreer	ment with the	finding	s of Glass,	Carr,	
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PHASE I BOOK EXPLOITATION SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydahanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchney konferentsii institutov khimii Akademiy nauk Azerbaydahanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutos of the Academies of Sciences of the Azerbaydahan, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organitheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House; A. G. Sikuni; Tech. Ed.: G. S. Sarkisyan.

PUMPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

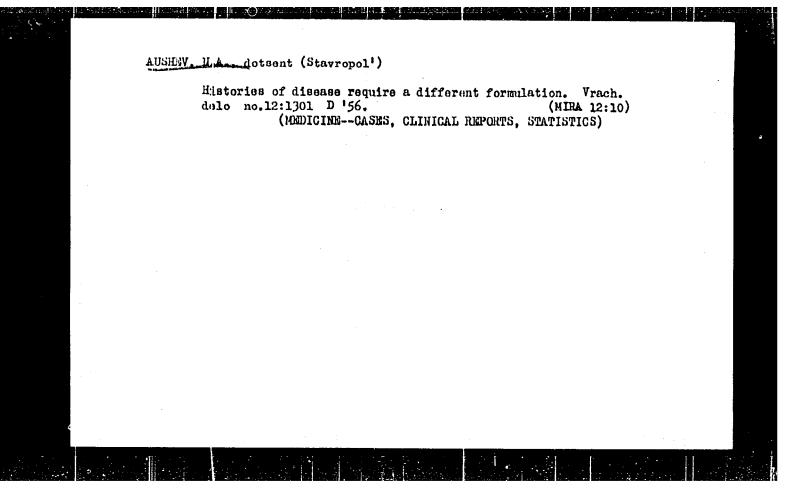
COVSTAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of partipular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

	Materials of the Scientific Conference (Cont.)	SOV/6195		
	Activity and Structure of Cracking Catalysts			
	Melkonyan, L. C., and A. M. Zarafyan. Dependence of the Speed of Propagation of Ultrasound on the Structure of Molecules of Organic Liquids and on Their Physical Com-	35	¥ 1	
* *	5 vali va	48	i	
	Krajoyan, T. V. Study of the Electroconductivity of Concentrated Alkali Solutions	62	•	ı
	Manedov, Kh. S. The Crystal Chemistry of Monosilicates	82	į	
	GENERAL AND INORGANIC CHEMISTRY			
$\left\{ \left\{ 1, \infty, 1 \right\} \right\}$	Shishniashvili, M. Ye., and A. I. Avantisova. Enriched iskanite Gel and Its Possible Application	90		
	Miskarli, A. K. New Protective Colloids for Stabilizing Clay Systems			
	Card 3/11 2/2	98.		
			7	

SMADL, Jan; AUSBURGLE, Roomtasek; STARY, desek; AEMAN, Mitoslav: Colo., Vaclav; BRADAC, Svatopluk

Control of railroad operations in a coalfield district. Zel dop tech 13 no.1:Suppl:1-8 165.

1. Head of the Unit ( Operations, Isti nad Labem (for Smadl).
2. Director of the North Both Ballinghite District (for Ausberger).
3. Head of Transportation Service of the Doly Vitezneho unora National Enterprise (for Stary).
4. Director of the Doly V. I. Tenina National Enterprise, Komerany (for Zeman).
5. Head of Transportation Service of the Coal Preparation Plant, Komerany (for Bradae).
6. Chief of the Most Railroad Junction (for Sikl).

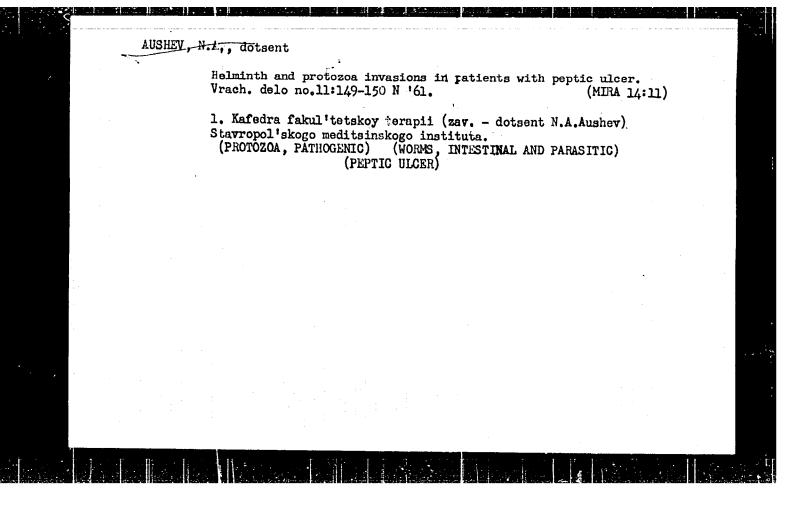


## AUSHEV, N.A., dotsent Some peculiarities of the clinical treatment of acute pancrestitis, Vrach.delo no.4:413 Ap '57. (MIRA 10:7) 1. Kafedra fakul'tetskoy terapii Stavropol'skogo meditsinskogo instituta. (PANCREAS--DISEASES)

AUSHEV , N.A., dots., MAZUROVA, A.M.

Acute caterrhal pancreatitis as a complication of influenza.
Vrach.delo no.91983-985 S'58 (MEA 11:10)

1. Kafedra fakul'tetskoy terapii (znv.-prof. S.P. Zavodskoy).
Stavropol'skogo meditsinskogo instituta.
(IMFLUENZA)
(PANCREAS--DISEASES)



Role of chronic diseases of the abdominal organs in the course of peptic ulcer. Vrach. delo no.8:10-13 Ag '61. (MIRA 15:3)

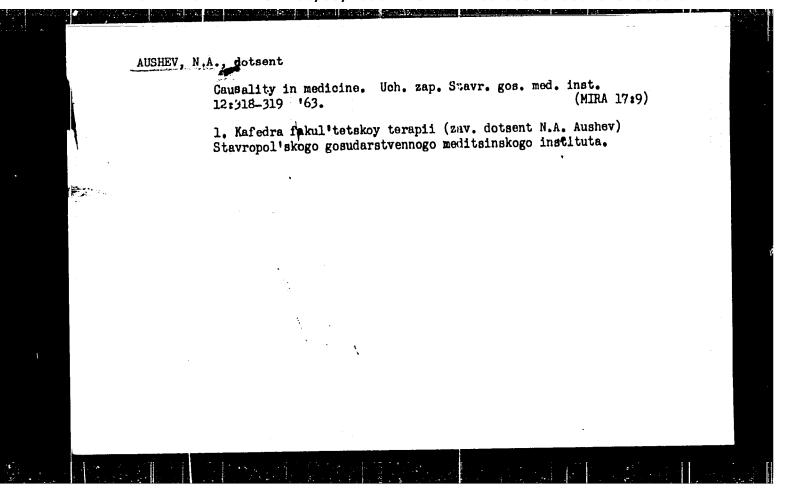
1. Kafedra fakul'tetskoy terapii (zav. - dotsent N.A. Aushey)
Stavropol'skogo meditsinskogo instituta.
(ARDOMEN--DISEASES)

(STOMACH--ULCERS)

AUSHEV, N.A., dotsent; MAZUROVA, A.M.

Use of intravenous infusions of bismuth carbonate. Vradh.delo
no.11:147-148 N '62. (MIRA 16:2)

1. Kafedra fakul'tetskoy terapii (zav. - dotsent N.A. Aushev)
Stavropol'skogo meditainskogo instituta.
(BISMUTH—GARBONATE) (INJECTIONS, INTRAVENOUS)



### CIA-RDP86-00513R000102520005-6 "APPROVED FOR RELEASE: 06/05/2000

Name: AUSHRUNAS, A. I.

Dissertation: Control of pyodermitis at peat and woodworking enterprises

of the Lithuanian SSR for the period 1950-1954

Degree:

Cand Med Sci

Acad Sci Lithuanian SSR, Inst Experimental Medicine

Defense Date, Place: 1956, Vilnius

Source: Knizhnaya Letopis', No 51, 1956

L 05194-67 ACC NR: AP601:2146

SCURCE CODE: UR/0413/66/000/007/0063/0063

AUTHOR: Aushyura, Z. I.

ORG: none

B

TITLE: Ellipsograph. Class 42, No. 180361

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 63

TOPIC TAGS: office machine, engineering instrument

ABSTRACT: This Author Certificate presents an ellipsograph containing an immobile plate with a longitudinal hole. The plate supports a revolving rod (crankshaft) hinged to another rod (rocker), the free end of which moves in the longitudinal hole of the immovable plate. The instrument also contains a movable writing device. To increase the drafting accuracy, the ellipsograph carries a third rod to which a ruler is hinged (see Fig. 1).

Fig. 1. 1 - immovable plate; 2 - revolving shaft (crankshaft); 3 -

the second shaft (rocker); 4 - movable writing device; 5 - the third rod; 6 - ruler

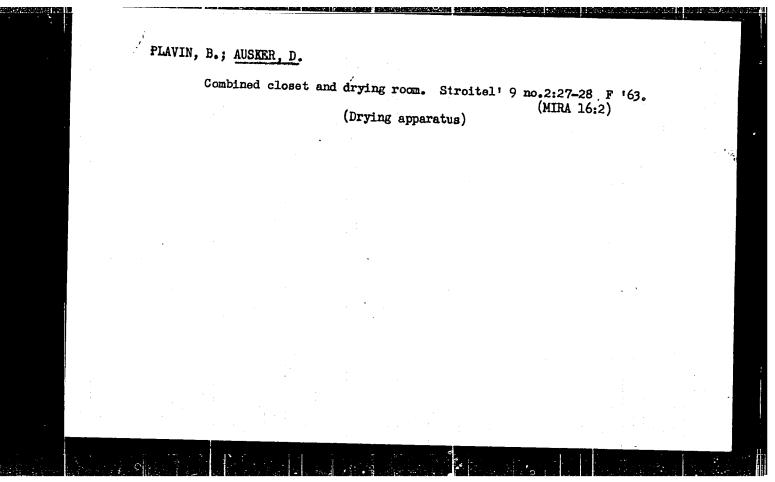
One end of this rod is also hinged to the rocker and the other end slides freely in the hole within the plate. The writing device is mounted on the ruler. Orig. art. has: 1 figure.

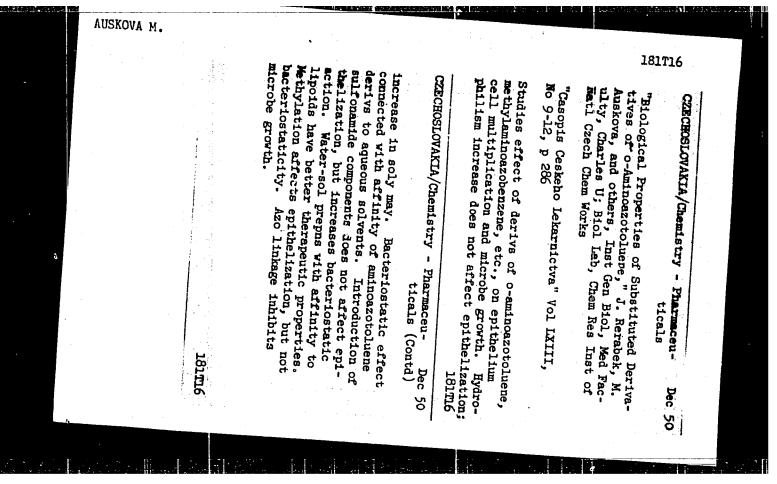
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UDC: 744.345.3

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102520005-6"





AUSLANDER, Al., ing.; GEORGESCU Gorjan, St., ing.

Development in construction mechanization. Pt. 2. Rev constr si mat constr 16 no.9:463-466 S 164.

1. Head of Technical Department, State Committee for Constructions, Architecture, and Town Planning (for Auslander). 2. Head of Laboratory, Institute of Building Research and Construction Economics (for Georgescu Gorjan).

AUSLANDER, Al., ing.

Technical plan, a factor of progress in constructions. Constr Buc 16 no. 748:1,3 9 May 164.

1. Head, Technical Section, State Committee for Constructions, Architecture, and Systematization.

exere elementere l'este el materir de l'este el l'este de la les de l'est de l'est de l'est de l'est de l'est

AUSIANDER, Al., ing.; GEORGESCU-GORJAN, St., ing.

Development of construction mechanization. Pt.1. Remonstration at construction mechanization. Pt.1. Remonstration at construction mechanization.

1. Head of Technical Section, State Committee for Constructions, Architecture, and Town Planning (for Auslander). 2. Head of Laboratory, Institute of Building Research and Construction Economics (for Georgescu-Gorjan).

RUMANIA/General and Specialized Zoology - Insects.

P.

Abs Jour

: Ref Zhur - Biol., No 9, 1958, 40027

Author

Niculescu, E., Konig, Fr., Auslander, D., Regenstreif, M.

Inst

m Ping Marine Company Liver Divine Co. Production of the Company Co.

Title

: The Morphologic and Ecologic Study of the Larva, Pupa and

Imago.

Orig Pub

: Byul. stiint. Acad. RFR. Scc. biol. si stiinte agric.,

1956, 8, No 3, 599-630.

Abstract

: A detailed morphologic description (with many sketches) of the moth Ch. palustris and its way of life are given. The ecology of the larvae and the variety in their behavior depending on the nature of the moisture of the soil on which

their feeding plants grow, are given.

Card 1/1

AUSLANDER, D. - HELINING, S.

Study on variability and biology of the birch mouse (Sicista subtilis nordmanni Keys. et Blas. 1840). In German. p. 255.

Bucharest. Muzeul National de Istorie Naturala "Grigore Antipa." TRAVAUX. Bucuresti, Rumania. Vol. 1, 1957

Monthly list of East European Accessions (EEAI) IC Vol 8, No. 6, June 1959 Uncl.

AUSLANder. D.

RUMANIA/Magnetism - Ferromagnetism

F-4

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10805

Author : Maxim, I., Auslander, D., Stan V. Inst

: Not Given Title : Variation of the Curie Points of Ni-Cu-Sn Alloys

Orig Pub: Studii si cercetari fiz. Acad. RPR, 1957, 8, No 2, 143-145

Abstract : An investigation was made of the variation of the Curie points as a function of the concentration of non-magnetic metals at two fixed ratios of the concentrations of copper and tin, numely Cu: Sn=4 and Cu: Sn=1/2. It was found that the variathon is linear and that the slope of the lines depends on the average valence of the non-magnetic metals namely n=1.6 and

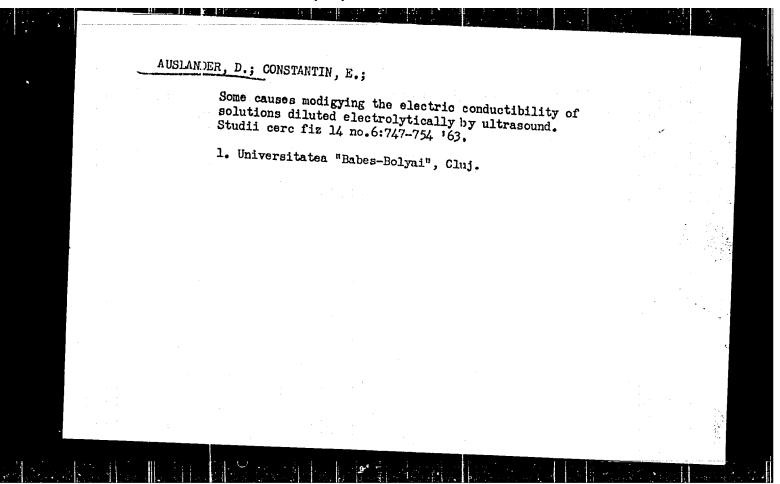
respectively n= 3.

Card : 1/1.

AUSLANDER, D.; CONSTANTIN, E.; SZCCS, J.

Conductibility modification of electrolyte solutions by ultrasound.

Studii fiz tehn Iasi 14 no.1:199-202 '63.



RUMANIA

576.852.211:615.84

AUSLANDIR, D., POP, E., BUZILA, A., VERESS, E., and ARDEVAN, A. Work performed at the Three-Year Pedagogical Institute (Institutul Pedagogic de 3 Ani) and the "Babes-Bolyai" University (Universi-

"The Action of Ultrasound on Koch bacillus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11,

Abstract [Authors' English summary modified]: The authors studied the effects of sound fields with a total; power of 150 to 250 watts at constant temperature on cultures of Koch bacilli dispersed in normal saline from a solid Loewenstein-Jensen medium. The dissemination of the bacilli in the dispersion media was also studied, as were their frequency, the proportion of live bacilli to the initial amount, cultivation characteristics in solid and liquid media, development of the germs under the activity of ultrasound waves and in the presence of antibiotics. Among the conclusions were that ultrasound brings about a numerical reduction of the bacilli but does not change their basic characteristics.

Includes 8 figures, 4 tables and 8 references, of which 4 German and 4 French. -- Manuscript submitted 29 September 1965.

: RUMANIA

APPROVED FOR RELEASETH Q6 105/2000 tions. Chemical Processing of ADA, JOME,

: RZKhim., No. 23 1959, Po. 83596

ROHIUL

\$5000 PA

: Auslander, G.

district. CII.

Liquid Density at the Hoiling Point and the Characterization Factor

ORIG. PUB.

:Petrol. si gaze, 1958, 9, No 5, 227-229

ABSTRACT

: The dependence between liquid density at boiling noint  $(d_f)$  and "characterization factor"  $(K_0)$  is presented. Formula for calculation Ko is given. The established dependence is found useful in the determination of the presence and quantity of varaffine wax in netroleum fractions. -- I. Rozhkov

\*Natural Gases and Petroleum. Motor and Rocket Fuels. Lubricants.

CARD:

1/1

# AUSLANDER, G.

Investigation methods for studying cracking catalyzers. p. 156.

PETROL SI GAZE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Industriei Petrolului) Becuresti, Rumania Vol. 10, np. 1959.

Monthly list of East European Accessions (EFAI) LC 100. 8, Aug. 1959

Uncl.

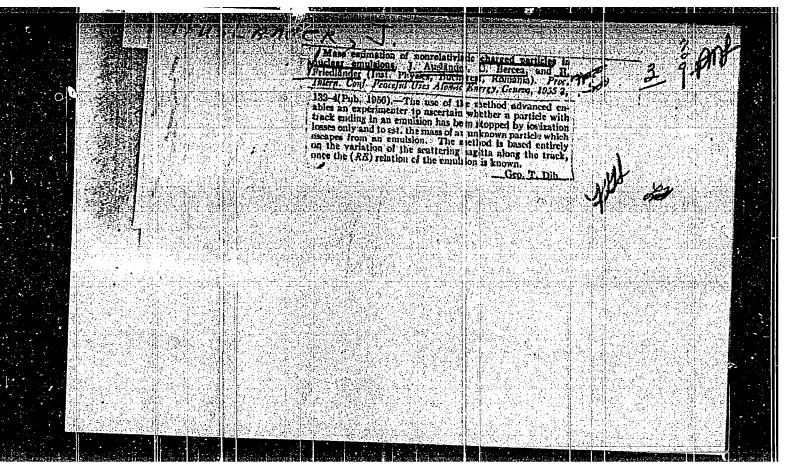
# AUSLANDER G., ing.

Thermal cracking of asphalt fuel oil. Petrol si gaze 12 no.6:269-272 Je '61.

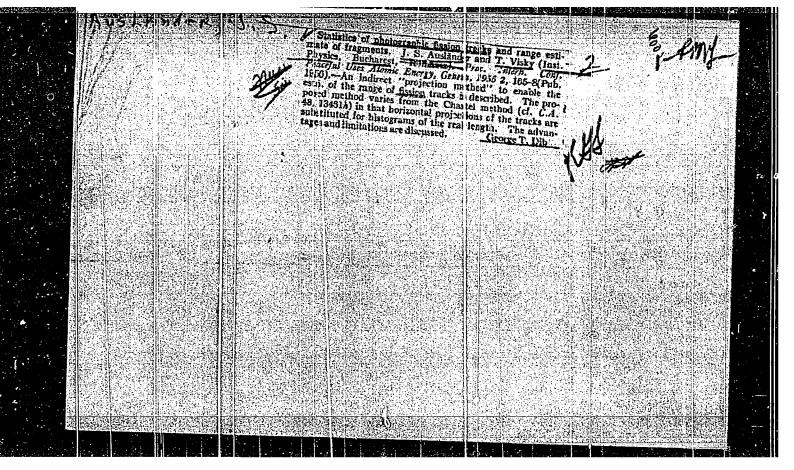
1. Petrochim, Ploiesti.

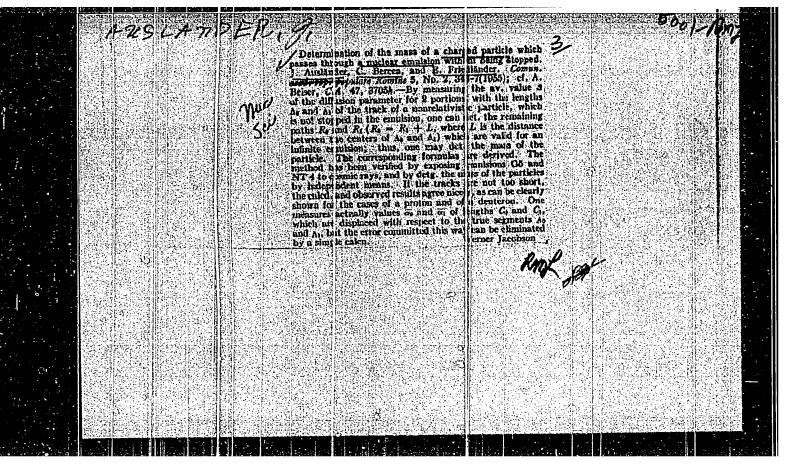
L 33082-66 ACC NR AP6021,593 SOURCE CODE: RU/0007/65/016/008/0465/0467 AUTHOR: Auslander, Gh. (Engineer) 38 ORG: none  $\mathcal{B}$ TITLE: Surface tension of binary mixtures at the boiling point SOURCE: Petrol si gaze, v. 16, no. 8, 1965, 465-467 TOPIC TAGS: surface tension, critical point, specific density, fluid property ABSTRACT: Extending the recent work of Crawford and van Winkle on the surface pressure of binary mixtures at the boiling point, the author finds that the surface tension, boiling point and specific gravity of such a mixture can be correlated very simply through an equation involving three constants specific for a given mixture. An additivity rule for nonpolar binary and ternary mixtures is also elaborated. Orig. art. has: 1 figure, 7 formulas and 5 tables. [Based on author's Eng. abst.] [JPRS: 33,544] SUB CODE: 20 / SUBM DATE: none / OTH REF: OOL

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AUSLANDER J.

Function of distribution of the length of horizontal projections of photographic traces of bipartition and determination of the itinerary of fragments. p. 1293. Academia Republicii Populare Romine. COMUNICARILE Bucuresti. Vol. 5, no. 6, June 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, no. 9, Sept. 1955.

# AUSLANDER, J.

Determination of the contraction factor of thick photographic emulsions.

p. 545. Academia Republicii Fopulare Romine. Institutul de Fizica. STUDII SI
CERCETARI DIZICA. Bucuresti. Vol. 6, no. 3, July/Sept. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

AUSSLAENDER J.S.
Rumania/Nuclear Physics - Instruments and Installations. Methods of

Measurement and Investigation

C-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 33890

Author: Ausslaender, J. S. and Visky, T.

Institution: None

Title: Histogram of Horizontal Projection of Fission Fragments in Thick-Layer Photographic Emulsions as a Method of Determining Their Range

Original

Periodical: Studii si cercetari fiz., 1955, 6, No 4, 699-732 (Rumanian;

resumes in Russian and French)

Abstract: With respect to the ranges of 2 fission fragments, the region to

which the method suggested in this work can be applied is at least as extensive as the region of applicability of the method of effective length. The accuracies of the 2 methods are of the same order of magnitude. The method proposed by the author is much simpler as it does not presuppose a knowledge of either the shrinkage factor or the vertical projections. Furthermore, the

Card 1/2

Rumania/Nuclear Physics - Instruments and Installations. Methods of Measurement and Investigation

C-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 33890

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use of this method does not require the performance of operations that are difficult from the point of view of experimental accuracy, such as superimposing the Gauss curves on the histogram or determining the point of flexure or its abscissa.

Card 2/2

445LQNG

RUMANIA/Physical Chemistry- Thermodynamics, Thermochemistry, Equilibria,

Physical-Chemical Analysis, Phase Transitions.

B-8

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3764.

Author : J. Auslander, Iulia Georgescu.

Inst Title : Pressure of Polonium Vapor at Room Temperature.

Orig Pub: Studii si cercetari fiz., 1957, 8, No 1, 17-23,

Abstract: The preliminary results of experiments with thick layer photo-

graphic plates show that the value of rolonium vapor pressure at room temperature is a magnitude of the order of 0.5 . 10-/\*

mm of mercury column.

Card : 1/1.

-12-

KHULUEEY, Kh. [Hulubei, H.]; AUSLENDER, Y. [Auslander, I.]; FRIDLENDER, E. [Friedlander, E.]; TSITSEYKA, Sh. [Titeica, S.]

Angular distribution of Amesons in Amelocay. Zhur.eksp.i teor.fiz. 42 no.1:303-304 Ja '62. (MIRA 15:3)

1. Institut atomnoy fiziki Rumynskoy akademii nauk, Bukharest. (Mesons—Decay)

AUSLENDER, G. [Auslander, G.] (Ployeshti, Rumyniya); KERIMOVA, M.K.

[translator]

Expansion of a function into a series and its resolution into continued fractions. Zhur. vych. mat. i mat. fiz. 3 no.3;

565-568 My-Je '63. (MIRA 16:5)

(Series) (Functions) (Fractions, Continued)

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AUSLENDER, L.B., kandidat meditsinskikh nauk

Significance of health education in the erganization of therapeutic and protective systems in children's polyclinical wards. Pediatria no.1:75-79 Ja-F \*55.

(HEALTH, education, in pediatrics)
(PEDIATRICS, health educ. in)

39154 S/120/62/000/003/018/048 E192/E382

9.2590

AUTHORS: Auslender, V.L., Il'in, O.G. and Shenderovich, A.M.

TITLE: Generation of current pulses of variable duration

PERIODICAL: Pribory i tekhnika eksperimenta, no. 3, 1962, 81 - 83

TEXT: A method of generating current pulses of continuously variable duration by means of a delay line is described. The principle of the method is illustrated in Fig. 1. The forming line is charged from a voltage source  $\,\mathbb U\,$  and it is terminated by a resistance  $\,\mathbb R\,$  via a discharge device  $\,\mathbb P_1\,$  at one end and

the load-resistance Z at the other end; R is equal to the wave impedance  $\rho$  of the line. The operation of the system is as follows. Assuming that the load Z (either ohmic or reactive) is small in comparison with  $\rho$ , the current flowing across Z when  $P_2$  is conducting is approximately equal to

U/O . This current flows until the instant when a negative current wave U/2O of negative polarity reaches the load from the matched end of the line after triggering the device  $P_1$  . Card 1/2

S/120/62/000/003/018/048
Generation of current pulses .... E192/E382

A current pulse having an amplitude U/C and duration equal to the transit time & of the wave along the line is thus formed on the load. If the instant of triggering of one of the discharge devices with respect to the other is varied from 0 to + the electrical processes in the line are not changed but the duration of the current pulse at the load end of the line is varied from 0 to 2 T. There are 4 figures.

ASSOCIATION:

Fiziko-tekhnicheskiy institut AN UkrSSR

(Physicotechnical Institute of the AS UkrSSR)

SUBMITTED:

November 25, 1961

Fig. 1:

Rep ( P)

Card 2/2

AUSLENDER, V.L., GRISHAYEV, I.A., ILIN, O.G., SHENDEROVICH, A.M.

"Arrangement for acculmulation electrical system with the energy of 100 MEV."

Report submitted to the Nntl. Conf. on High Energy Physics and Nuclear Structure, Geneva, Switzerland 25 Feb - 2 Mar 1963

AUSLENDER, V.L., ILIN, O.G., SHENDEROVICH, A.M.

"Forming impulses in variable loading."

"Forming impulse currents of regular duration."

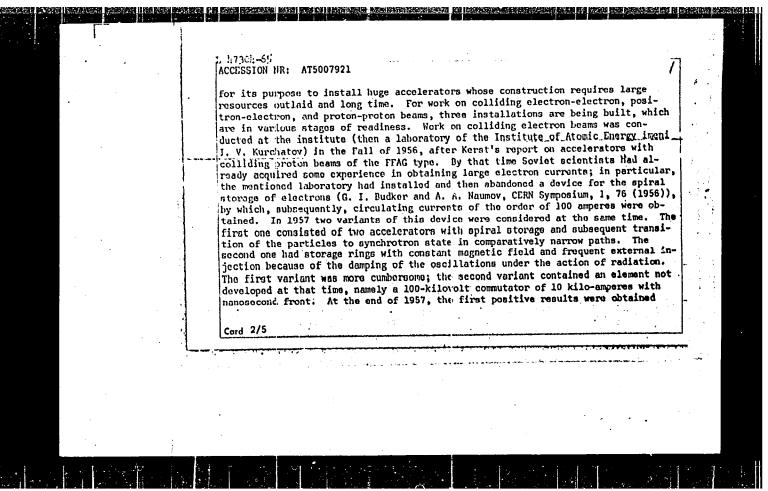
"Selection of optimal conditions for electric lead with energy of 100 MEV in acculmulation systems."

Reports submitted to the Intl. Conference on High Energy Physics and Nuclear Structure, Geneva, Switzerland 25 Feb- 2 Mar 1963

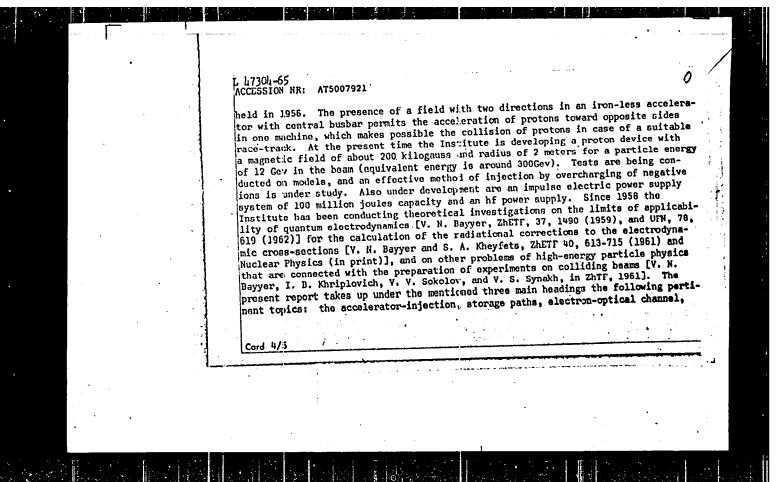
AUSLENDER, V.L.; IL'IN, O.G. SHENDEROVICH, A.M.

Pulse formation in a variable load. Prib. 1 tekh. eksp. 8 no.2:173-174
M. Ap 163. (MIRA 16:4)

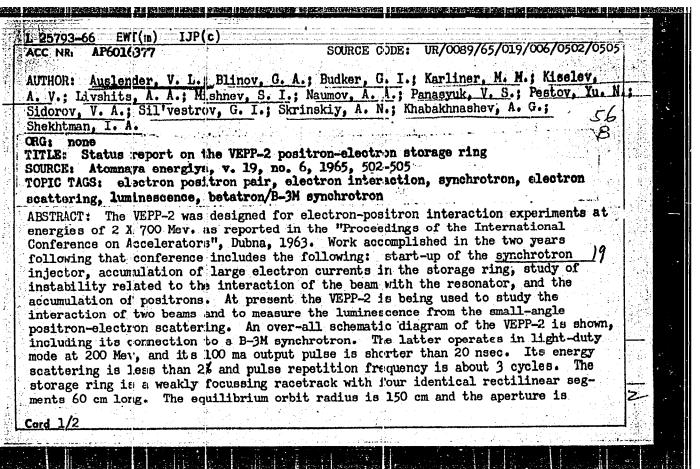
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		I. 147301-55 EWT(11)/EPA(W)-2/EWA(M)-2 ACCESSION NR: AT5007921		/000/000/0274/02 <b>87</b>	25
·		AUTHOR: Buyyer, V. N.; Blinov, G. A.; Koroboynikov, L. S.; Mironov, Ye. S.; V. S.; Popov. S. G.; Sidorov, V. A.; S. Khabakhpashev, A. G.; Auslender, V. L. Livshits, A. A.; Rodionov, S. N.; Syna Vasserman, S. B.; Vecheslavov, V. V.;	Naunoy, A. A.; Onuchin, A.; 11'vestrov, C. I.; Skrins); Kiselev, A. V.; Kushnir kh. V. S.; Yudin, L. I.;	P.; Panaayuk, Siy. A. N.; enko, Ye. A.; Abramyan, Ye. A.;	4
		I. Ya.; Bucker, G. I. TITLE: Colliding electron-electron, p	•		
	••	SOURCE: International Conference on H	igh Energy Accelerators.		
		Trudy. Moscow, Atomizdat, 1964, 274-2 TOPIC TAGS: high energy interaction, ticle beam, charged particle beam	31	cle physics, par-	
		TOPIC TAGS: high energy interaction,	high energy plasma, parti  Physics, Siberian Depart  particle physics are mai	ment, Academy of nly concerned with	
		TOPIC TAGS: high energy interaction, ticle beam, charged particle beam  ABSTRACT: In the Institute of Nuclear Sciences SSSR, programs on high-energy	high energy plasma, parti  Physics, Siberian Depart  particle physics are mai	ment, Academy of nly concerned with	1
		TOPIC TAGS: high energy interaction, ticle beam, charged particle beam  ABSTRACT: In the Institute of Nuclear Sciences SSSR, programs on high-energy work on colliding charged particle beau	high energy plasma, parti  Physics, Siberian Depart  particle physics are mai	ment, Academy of nly concerned with	
		TOPIC TAGS: high energy interaction, ticle beam, charged particle beam  ABSTRACT: In the Institute of Nuclear Sciences SSSR, programs on high-energy work on colliding charged particle beau	high energy plasma, parti  Physics, Siberian Depart  particle physics are mai	ment, Academy of nly concerned with	

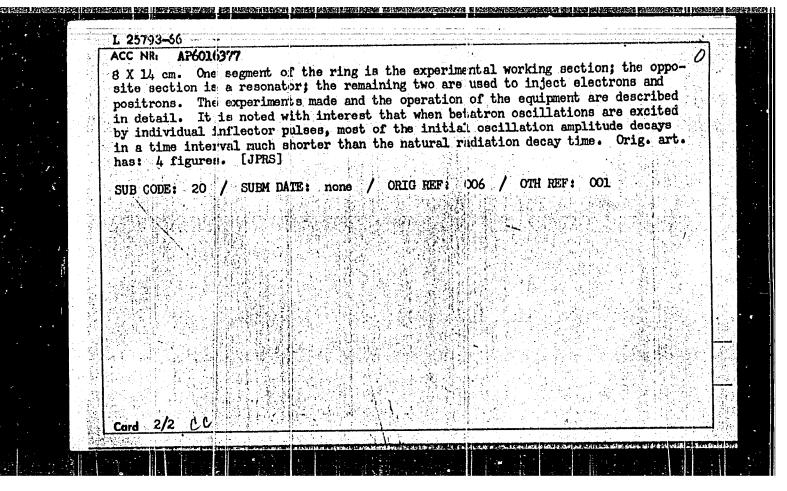


L 47304-65 ACCESSION VR: AT5007921 with a packing discharger of 100 kilovolts, and work stopped on the variant with storage rings. Originally it was proposed to set up two devices: VEP-1 of 2×130 Mev energy, and VEP-2 of 2×500 Mev energy. The VEP-1 was considered as an actual model of an accelerator and as a device for conducting initial experiments at low energies. After the Panofsky report in 1938 on his work with colliding electron beams conducted in his laboratory at Stanford, construction ceased on 500-Hev storage paths and work was continued on the 2×130-Hev installation. Instead of work on colliding electron beams with energies of 500 Mev, work at the end of 1958 was conducted with colliding positron-electron beams and the planning of the VEPP-2 device was begun, whose main elements are a strong-current electron accelerator and a high-vacuum storage path of 700 Mev energy. At the present time the VEP-1 and VEPP-2 are installed in Novosibirsk. The VEP-1 is in a state of neglect, but at the end of 1964 experiments will be begun with it. Installation of the VEPP-2 has been completed. To obtain a marked effect from the application of colliding proton beams, an accelerator is needed with an energy of at least 10 Gev. Since the ordinary accelerator at such energies is a very bulky machine, it was decided to combine the idea of colliding proton beams with the creation of an iron-less impulse accelerator with very large fields and a nautralized central busbar. This latter work of creating such a machine was reported by the authors at a Noscow conference



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	ACC NR: AP6021622 (N) SOURCE CODE: UR/0089/66/020/003/0213/0217	
_	AUTHOR: Auslender, V. L.; Kulipanov, G. N.; Mishnev, S. I.; Naumov, A. A.; Popov, S. G.; Skrinskiy, A. N.; Tumaykin, G. M.	
	ORG: none  46  TITLE: Experimental data on the interaction of hears during collision	
	- Contracting of power and the contraction	
	SOURCE: Atomneya energiya, v. 20, no. 3, 1966, 213-217	
	SOURCE: Atomnsya energiya, v. 20, no. 3, 1966, 213-217  **ELECTRON BRAND  TOPIC TAGS: A electron collision, storage ring, positron/ VEP-1 storage ring, VEPP-2 storage ring	
	ABSTRACT: The authors present a preliminary review of results of beam collision effects, obtained with the VEP-1 (electron-electron) storage ring; and the VEPP-2 (positron-electron) storage ring. The installations and the main parameters of the beams in the sitorage rings are presented elsewhere (Atomnaya energiya, v. 19, 498 and 502, 1965; E. I. Zinin et al., present source, p. 220 [Acc. Nr. F. 021624]). Most of the data pertain to the VEP-1 storage ring at colliding beam at rigies of 43 Mev. The data presented include the diagram of resonances in the working region of the magnetic field, photographs of different spreading effects in the beams, the distribution of the densities of the particles in one beam with and without the collisions with the other beam, the dependence of the electron lifetime on the revolution frequency and on the colliding-beam current, and the dependence of the partial electron lifetime on various factors. The phenomena in the VEPP-2 storage ring were essential-	
	Card 1/2 UDC: 621.384.612.4	-
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07063-67 EWT (m) UR/0089/66/020/003/0210/0213 ACC NR: SOURCE CODE: AP6021521 AUTHOR: Auslender, V. L.; Karliner, M. M.; Naumov, A. A.; Popov, S. G.; Skrinskiy, A. N.; Shekhtman, I. A. ORG: none TITIE: Phase instability of an intense electron beam in a storage ring SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 210-213 TOPIC TAGS: storage ring, electron beam, automatic stabilization equipment, phase modulation, electron accelerator/ VEPP-2 storage ring ABSTRACT: The authors consider radial-phase self-oscillations in storage rings at large beam currents. Conditions for the stability are obtained in the case of arbitrary frequency characteristics of the accelerating system. It is shown that stability conditions derived in earlier studies, stating that it is sufficient to tune the accelerating resonator to a frequency somewhat lower than the generator frequency in order to prevent self excitation of phase oscillations at arbitrarily large beam currents, are not borne out in practice, and that other factors must be taken into account in a more rigorous stability analysis. Allowance is also made for the interaction between the beam and the accelerating system and other elements of the vacuum chamber at harmonics of the electron-bunch revolution frequency. Some results of an experimental investigation of self excitation of phase oscillations in the storage rings of the Institute of Huclear Physics of the Siberian Department of AN SSSR are unc: 621.384.60 1/2 Card

	was	ented elimin	ated	2-2). An examp is described. enko, A. A. Li	The author	s than	k G. I.	Budke	r for cont	tinuous	inter	est 🔻	
4	Piru	shkin,	and	G. M. Tumaykin formulas.	for help w	ith th	e expe	iments	. Orig.	art. ha	s: 5		
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ACC NR. AT6031468 SOURCE CODE: UR/0000/65/000/000/0001/0012 AUTHOR: Auslender, V. L.; Blinov, G. A.; Budker, G. I.; Karliner, M. M.; Kiselev, A. V.; Livshits, A. A.; Mishnev, S. I.; Naumov, A. A.; Panasyuk, V. S. Pestov, Yu. P.; Sidorov, V. A.; Sil'vestrov, G. I.; Skrinskiy, A. N.; Khabakhpashev, A. G.; Shekhtman, I. A. ORG: none TITLE: Present state of research on the VEPP-2 electron-positron ring SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut yadernoy fiziki. Doklady, 1965. Sostoyaniye rabot na pozitron-elektronnom nakoritele VEPP-2, 1-12 TOPIC TAGS: electron, positron, electron positron storage ring, electron beam /B-3M synchrotron, VEPP-2 electron-positron, steradian ABSTRACT: The VEPP-2 electron-positron storage ring was designed for experiments on the interaction of positrons and electrons with an energy of up to 2 x 700 Mev. It is basically a special type of B-3M synchrotron/7 and is equipped with an exterior injector, a high-vacuum storage track, a single thread system to extract the electron beam from the accelerator and insert it into the storage ring. Card 1/2

ACC NRI AP603E038

SOURCE CODE: UR/0057/66/036/011/2064/2068

AUTHOR: Auslender, V. L.; Minchenkov, G. B.

ORG: none

TITLE: Investigation of the desorption of gases from metal surfaces under the action of electron bombardment

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 31, 1966, 2064-2068

TOPIC TAGS: desorption, electron bombardment, metal surface, copper, stainless steel

ABSTRACT: The authors have investigated desorption of gas from copper and stainless steel surfaces under bombardment with 100 to 600 eV electrons. The investigations were conducted in 1963 and 1964. The specimens were in the form of 6 cm diameter closed cylinders with 0.5 cm wall thickness. A tungsten filament within the cylindrical specimen served both to heat the specimen and (apparently) as the source of bombarding electrons. The specimens were cooled by a flux of water or air through cooling tubes. The temperature could be held within 10° C of a selected value between 200 and 500°. The apparatus was continuously pumped at a rate of about 80 liter/sec, and the working pressure was from 10°8 to 4 x 10°8 torr. The pressure changes due to the desorbed gas were measured with an Alpert gage. The composition of the desorbed gas was determined with a flight time mass spectrometer. All three investigated metals behaved very much alike as regards desorption of gas under electron

Card 1/2

UDC: 541.183.03

ACC NR AP6036038 bombardment. When the metals were not subjected to preliminary outgasing by heat and electron bombardment, the desorption rate was about  $8 \times 10^{-3}$  molecule/electron and was independent of the energy of the bombarding electrons. Preliminary outgasing reduced the description rate by an order of magnitude. When the sample was cooled to 1960 C the desorption rate varied with the bombarding electron energy and was maximum for an electron energy of about 170 eV. The lowest desorption rates were observed with heated specimens. At a specimen temperature of 400° C the desorption rate was  $8 \times 10^{-6}$  molecule/electron. Most of the desorbed gas was hydrogen and carbon monoxide and the relative amounts of these two components remained constant with time. The authors thank T.N. Zhdanova and Ye.D. Bender for their assistance with the measurements, and A.A. Naumov and G.A. Blingw for their interest and valuable advice. Orig. art. has: 2 formulas and 5 figures. SUB CODE: 20 SUBM DATE: 002

34021 s/056/62/042/001/045/048 B154/B112

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Khulubey, Kh., Auslender, Y., Fridlender, E., Tsitseyka, Sh.

AUTHORS:

Angular distribution of  $\mu$ -mesons in  $\pi$ - $\mu$  decay

TITLE:

Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 42,

PERIODICAL:

no. 1, 1962, 303-304

TEXT: The anisotropy of the angular anion distribution in pion decay was already investigated in Ref. 1 (A. O. Vaysenherg, E. D. Kolganova, Z. V. Minervina. ZhETF, 41, 106, 1961). The aim of the present paper is to give new data, of which only a few were published up to now, and to point out that some conclusions made in Ref. 1 are unfounded from a statistical point of view. Using the same material as for the investigation of the  $\pi-\mu$  decay in a previous work (Ref. 3), the authors observed 1734  $\pi$ - $\mu$ -e decay events and obtained the following angular distribution:

 $0 - 45^{\circ} \begin{vmatrix} 45 - 90^{\circ} \\ 90 - 135^{\circ} \end{vmatrix} \begin{vmatrix} 135 - 160^{\circ} \\ 436 \end{vmatrix}$ Angular interval

The forward-backward ratio  $b = -0.143 \pm 0.048$  indicates a deviation from Card 1/4

34021 8/056/62/042/001/045/048 B154/B112

Angular distribution of ...

isotropy of 2.98 of the standard errors and is therefore obtained in the case of true symmetry with a probability of less than 3.10-3. The general deviation of the observed distribution from isotropy is measured with the probability  $P(\chi^2) = 4.6 \cdot 10^{-3}$ . The conditions were the same as those during the detection of pions in  $\tau$  decay which was also calculated in Ref. 1. General statistics is insufficient for determining the difference between several partial distributions. Thus, in Ref. 1, the ratio  $\pi/\pi$  is  $0.958 \pm 0.061$  in low-density regions (all "observers") and  $0.855 \pm 0.052$  in high-density regions ("observers" E, F, G). This distinction of material according to the forward-backward ratio obtained by different observers is statistically inadmissible. The authors therefore made the following calculation by the Monte Carlo method. From  $\pi/\pi$  = 0.905 (corresponding approximately to the result of all "observers" in the high-density region in Ref. 1) they chose seven  $\pi-\pi$  pairs (seven "observers") and marked those three "observers" who had received the highest asymmetry. The volume of the samples was approximately set equal to the number of muons in the high-density region in Ref. 1. This was repeated ten times. For the ratio  $\pi/\pi$  , the following results were obtained:

Card 2/4

31:001 8/056/62/042/001/045/048 B154/B112

Angular distribution of ...

All "observers"

Four "observers" with the lowest asymmetry

Difference

Three "observers" with the highest asymmetry

 $0.907 \pm 0.015$ 

 $0.982 \pm 0.019$ 

0.075 + 0.024 $0.826 \pm 0.019$ 

There are 4 references: 1 Soviet and 3 non-Soviet. The three references to English-larguage publications read as follows: Ref. 2. H. Hulubei, J. Auslander, E. Friedlander, S. Titeica. Int. Working Meeting on Cosmic Rays, Buchurest, 1959, Acad. RPR, Inst. de Fizica Atomica, București, 1960, p. 130. J. Auslander. Ninth Int. Ann. Conf. on High Energy Physics, Kiev, 1959, Acad. of Science USSR end IUPAP, Plenary Ses. VI-IX, Moscow, 1960, p. 239. Ref. 3. H. Hulubei, J. Auslander, E. Balea, E. Friedländer, S. Titeica, Proc. of the 2-nd Int. Conf. on the Peaceful Uses of Atomic Energy, Geneva, 1958, p. 1283. R. L. Garwin et al. Phys. Rev. 108, 1589, 1957.

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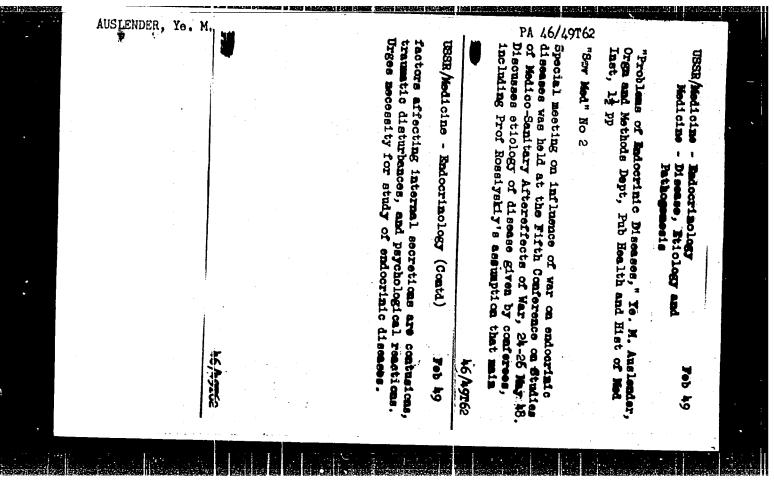
Institut atomnoy fiziki Rumynskoy akademii nauk Bukharest (Institute of Atomic Physics of the Rumanian Academy of

Sciences, Bucharest)

Card 3/4

Angular distribution of ... S/056/62/042/001/045/048
SUBMITTED: October 10, 1961

Card 4/4



A simple method for quantitative nephelometric determination of the crythrocytes using photocell colorisetry. Kiserletes orvostud.

6 no.31276-279 May 54.

1. A Nephadeereg Egessesguyi Ssolgalata.

(KRYTHROCITES,
count, determ., colorimetric nephelometry)

(COLORIETTY,
colorimetric nephelometry in determ. of erythrocyte count)

AUSSEM, M. V.

USSR/Mathematics - Metric Spaces

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11 Oct 51

"Metric Spaces of n Dimensions Based on the Concept of an Area of m-Dimensional Surfaces," M. V. Aussem, Moscow City Pedagogic Inst imeni '1. P. Potemkin

"Dok Ak Nauk SSSR" Vol LXXX, No 5, pp 701-704

Expands the work of Cartan ("Les espaces metriques fondes sur la notion d'aire," Paris, 1933) to the case of n-dimensional spaces that depend on the area of surfaces of any dimension m. This work was completed under the guidance of Prof S. P. Finikov. Submitted 1 Aug 51 by Acad I. G. Petrovskiy.

221772

AUSSEM, M.V.

Coometry of the Double Integral in Three-Dimensional Space, M.V. Aussem, SSSR, Vol 85, no 2, pp 253-5, Jul 52.

Applies the invariant method of G.F. Laptev and A.M. Vasil'yev to the construction of generalized spaces, with the aim of constructing the geometry of the double or generalised spaces, where and of constituting on the surface  $z_+f(x,y)$  where p,q are integral //f(x,y,z,p,q) [dx,dy] prevailing on the surface  $z_+f(x,y)$  where p,q are partial derivatives of f(x,y) with respect to x and y. States that just as in the partial derivatives of f(x,y) with respect to x and y. States that just as in the partial derivatives of f(x,y) with respect to x and y. States that just as in the partial derivatives of f(x,y) with respect to x and y. States that just as in the partial derivatives of f(x,y) with respect to x and y. States that just as in the partial derivatives of f(x,y) with respect to f(x,y) and f(x,y) where f(x,y) where f(x,y) are relative to infinite groups of point transformations, or rather certain extension in Lie's sense whose structure is according to Cartan. Procented by Acad I.C. Petrovskiy 17 May 52.

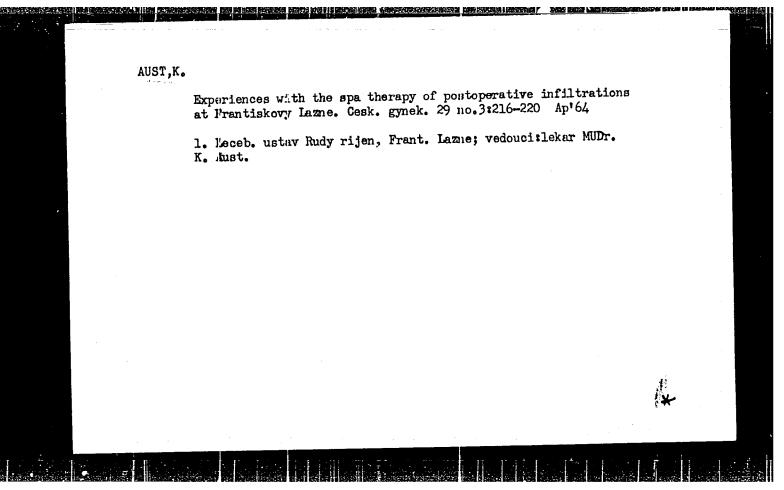
#### AUSTERLITZ, H.

TECHNOLOGY

Periodical: POZEMNI STAVEY. Vol. 6, no. 10, Oct. 1958.

AUSTERLITZ, H. Experiences with welding reinforcement for industrial buildings. p. 525.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.



AUSTERWEIL, L.

Physical and biological characteristics of noise. p. 6. (Epuletgepeszet, Vol. 6, No. 1, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

AUSTERWELL, T.

Conditioning the air of work sites on the basis of temperature sensationg.

p. 68 (EPU: DETGLP:: LET) Budapest, Hungary Vol. 6 no 2/3 157

SO: Monthly Index of East European Acessions (AEEI) Vol. 6 no. 11 November 1957

#### Austerweil, L.

Reconstruction of the air-conditioning system of Radio Bu apest. p. 148

EPULETGEPESZET. (Epitoipari Tudomanyos Egyesulet) Budapest, Hungary. Vol. 8, no.4, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 11 November 1959 Uncl.

#### AUSTERWELL,L.

Automatic control of the air-conditioning and heating system of the Tranzit Ware-house in Csepel. p. 242

EPULETGEPEZET (Epitoipari Tudomanyos Egyesulet.) Budapest, Hungary. Vol. 8, no. 6, 1959

Monthly list of East European Accession (EEAI) LC Vol. (5, NO. 2, Feb. 1960)
Uncl.

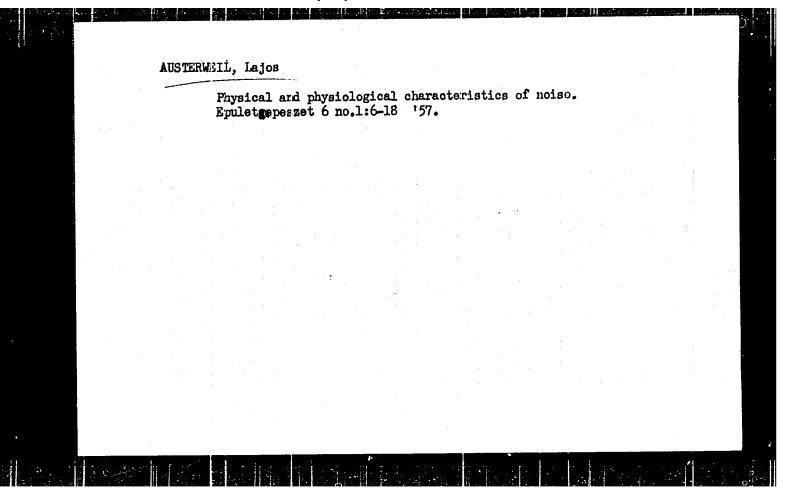
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### AUSTERWEIL, Lajos

"Utilizing solar energy for electric power production."
Reviewed by Lajos Austerweil. Epuletgepeszet 9 no.3:103-104
160.

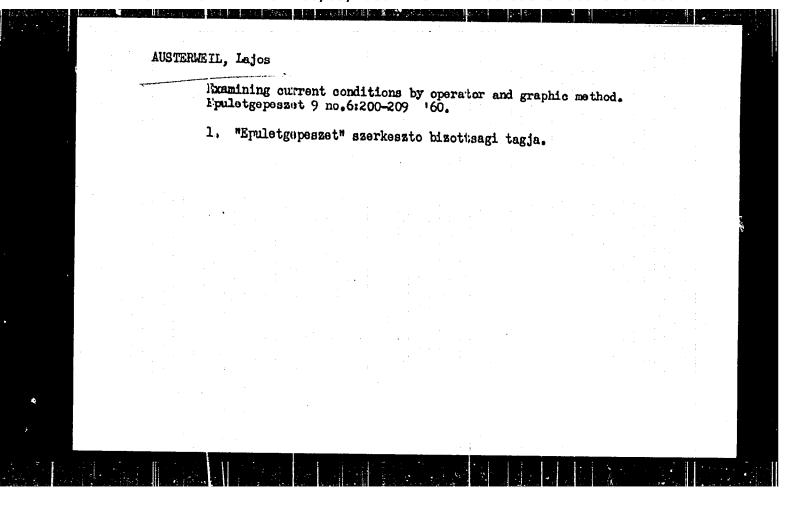
हार के अन्य भी वर्षा । इंग्लेक्स्फ वरकार, जरूर हुन्छ। जन्म क्रिया करता वर्षा भी सम्बद्धाना स्थाप । इंग्लेक्स

1. "Epuletgepeszet" szerkeszto bizattsagi tagja.



# AUSTERWEIL, Lajos In account of the Conference on Heating Technology arranged by the Scientific Association of the Building Industry; Cctober 17-20, 1960. Epuletgepeszet 9 no.6:197-198 '60.

l. "Epuletgapeszet" szerkeszto bizottsagi tagja.



## AUSTERWEIL, Lajos

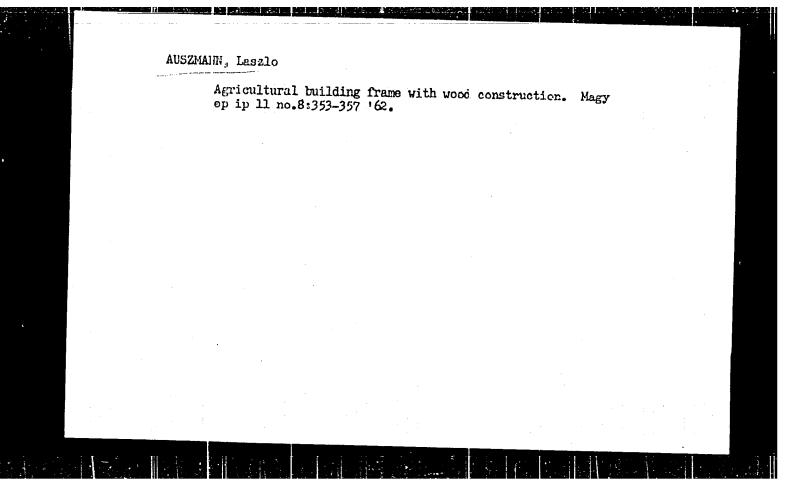
Description of the study entitled "Evaluation of closed areas from the point of view of heat engineering" which participated in the contest arranged by the Misistry of the Construction and which was purchased. Epuletgepeszet 13 no. 1:38 F '64,.

1. "Epuletgepeszet" szerkeszto bizottsagi tagja.

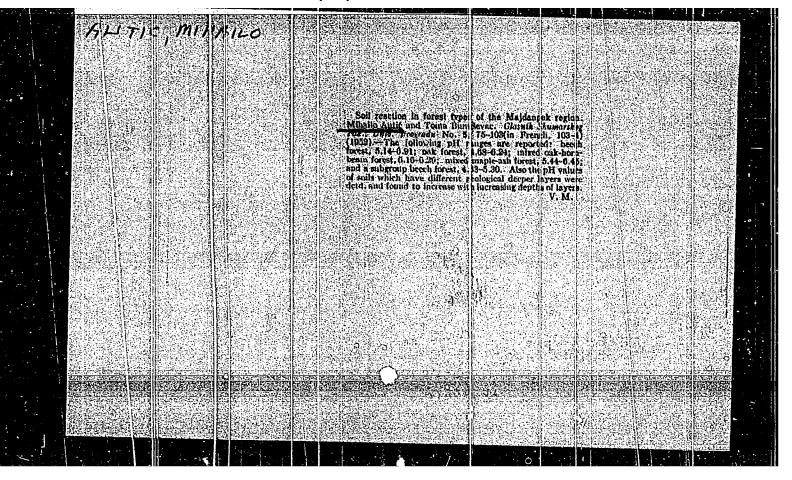
AUSTERELL, Lajos

Parallel operation of hydraulic machines. Epuletgepeszet 13 no.5:

1. Editorial board member, "Epuletgepeszet."



"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000102520005-6



AUTONOVA, G. S.

"Research on the characteristic turbulence of free non-thermal currents, etc.," in book, Conference on applications of gas dynamics, "TRUD" series, Publishing Office of the Academy of Science of the Kazakh SSR, Alma-Ata, 1959.

AUTRATA, R.

"Isolation of polyvinyl acetate."

CHEMICKY PRUMISI, Praha, Czechoslovakia, Vol. 9, No.3, March 1959.

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